

Claims

1. Hydraulic fluid container (10) for a vehicle hydraulic brake system, having at least one connecting sleeve (14), in which there is displaceably guided a valve member (20), which in
5 a first position, into which it is spring-biased, blocks the connecting sleeve (14) and which in a second position clears the connecting sleeve (14),
characterized in that

- the valve member (20) on its circumferential surface is provided with at least one radially elastic detent element (32; 32'), and

10 - the connecting sleeve (14) in its inner side wall (36) comprises at least one recess, into which the detent element (32; 32') latches during introduction of the valve member (20) into the connecting sleeve (14) and which in relation to the direction of displacement of the valve member (20) forms a stop, which defines the first position of the valve member (20).

15 2. Hydraulic fluid container according to claim 1,
characterized in that the connecting sleeve (14) extends into the hydraulic fluid container (10) and the part (16) of the connecting sleeve (14) situated in the hydraulic fluid container (10) has substantially the same inside diameter as a part (18) of the connecting sleeve (14) projecting from the hydraulic fluid container (10), and that the at least one recess for the at
20 least one detent element (32; 32') is formed in the part (16) of the connecting sleeve (14) situated in the hydraulic fluid container (10).

3. Hydraulic fluid container according to claim 2,
characterized in that the valve member (20) comprises a first portion (26), in which the at
25 least one detent element (32; 32') is disposed, and a second portion (28), which extends in the direction of the opening (30) of the connecting sleeve (14) and acts as an actuating tappet for the valve member (20).

4. Hydraulic fluid container according to claim 3,
30 characterized in that the first portion (26) of the valve member (20) is hollow-cylindrical and receives one end of a spring (22), which biases the valve member (20) and is supported by its other end against the part (16) of the connecting sleeve (14) situated in the hydraulic fluid container (10).

5. Hydraulic fluid container according to claim 4, characterized in that the spring (22) is supported against a partially breached end wall (24), which forms one end of the part (16) of the connecting sleeve (14) situated in the hydraulic fluid container (10).

5 6. Hydraulic fluid container according to claim 4, characterized in that the spring (22) is supported against an end wall (24), which closes the part (16) of the connecting sleeve (14) situated in the hydraulic fluid container (10), and that the recess in the inner side wall (36) of the connecting sleeve (14) that interacts with
10 the detent element (32; 32') is a breach (34).

7. Hydraulic fluid container according to one of the preceding claims, characterized in that the valve member (20) on its outside comprises an annular sealing collar (38), which protrudes slightly in radial direction and which in the first position of the
15 valve member (20) interacts with an annular sealing seat (40), which projects slightly in a radially inward direction and which is provided at the inner surface (42) of the connecting sleeve (14).

8. Hydraulic fluid container according to claim 7,
20 characterized in that the annular sealing collar (38) and the valve member (20) are formed from a uniform material and the annular sealing seat (40) and the connecting sleeve (14) are formed from a uniform material.

9. Hydraulic fluid container according to one of claims 1 to 6,
25 characterized in that the valve member (20) on its outside comprises an annular sealing collar, which protrudes slightly in radial direction and is in contact with the inner surface (42) of the connecting sleeve (14), and that the annular sealing collar is formed by an O-ring seal (46).

30 10. Hydraulic fluid container according to one of claims 7 to 9, characterized in that the annular sealing collar (38, 46) is disposed between the first portion (26) and the second portion (28) of the valve member (20).

35 11. Hydraulic fluid container according to one of the preceding claims, characterized in that the and/or each elastic detent element (32) is formed by a tongue, which is fastened to the valve member (20) and pivotable about an axis parallel to the centre line (M) of the valve member (20).

12. Hydraulic fluid container according to one of claims 1 to 10, characterized in that the and/or each elastic detent element (32') is formed by a tongue, which is fastened to the valve member (20) and pivotable about an axis, which extends tangentially relative to the circumferential direction of the valve member (20).

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13. Hydraulic fluid container according to one of the preceding claims, characterized in that the valve member (20) is an integral plastic injection moulded part.